

**TABLE 12-34  
NEANTHES ARENACEODENTATA SEDIMENT TOXICITY ANALYSIS (1999)**

**REMEDIAL INVESTIGATION REPORT  
STRATFORD ARMY ENGINE PLANT  
STRATFORD, CONNECTICUT**

| SAMPLING STATION            | NEANTHES ARENACEODENTATA |   |
|-----------------------------|--------------------------|---|
|                             | SURVIVAL (%)             | MEAN DRY WEIGHT MG/SURVIVING ORGANISM ( ± SD) |
| <b>Laboratory Control</b>   |                          |   |
| Control                     | 92                       | 1.92 (±1.20)                                  |
| <b>Intertidal Mudflat</b>   |                          |   |
| SDTA006A                    | 68                       | 6.89 (±6.58)                                  |
| SDTA007A                    | 60 <sup>a</sup>          | 8.13 (±8.07)                                  |
| SDTB006A                    | 68                       | 7.10 (±9.19)                                  |
| SDTB007A                    | 68                       | 8.96 (±11.64)                                 |
| SDTC006A                    | 60 <sup>a</sup>          | 4.93 (±5.16)                                  |
| SDTC007A                    | 80                       | 1.16 (±0.47)                                  |
| SDTD006A                    | 92                       | 1.42 (±0.51)                                  |
| SDTD007A                    | 96                       | 1.95 (±0.72)                                  |
| SDTG002A                    | 84                       | 1.15 (±0.62)                                  |
| SDTH001A                    | 92                       | 0.69 (±0.24) <sup>b</sup>                     |
| <b>Marine Basin</b>         |                          |   |
| SDMB001A                    | 100                      | 4.01 (±1.34)                                  |
| SDMB002A                    | 100                      | 6.61 (±2.53)                                  |
| SDMB003A                    | 88                       | 3.53 (±1.89)                                  |
| SDMB004A                    | 92                       | 3.65 (±1.49)                                  |
| <b>Outfall 008 Drainage</b> |                          |   |
| SD08001A                    | 100                      | 2.03 (±0.65)                                  |
| SD08002A                    | 92                       | 2.59 (±0.62)                                  |
| SD08003A                    | 92                       | 2.31 (±0.75)                                  |
| <b>Reference Area</b>       |                          |   |
| SDUS001A                    | 96                       | 2.85 (±1.15)                                  |
| SDUS002A                    | 92                       | 5.55 (±2.30)                                  |
| SDUS003A                    | 88                       | 3.21 (±1.08)                                  |

Notes:

- a - Significantly different from the control based on percent survival.
- b - Significantly different from the control based on mean dry weight.